

CLAIMS

1. A polarizing member comprising a cholesteric liquid-crystal layer, a quarter-wave plate, and an optical
5 rotatory layer.

2. A polarizing member according to claim 1, wherein said quarter-wave plate is disposed between said cholesteric liquid-crystal layer and said optical rotatory layer.

3. A polarizing member according to claim 2, further
10 comprising an absorption type polarizer disposed on an upper side of said optical rotatory layer, wherein a major or minor axis of said optical rotatory layer in each of opposite surfaces of said optical rotatory layer is parallel to a plane of polarization of light linearly polarized by a combination of
15 said cholesteric liquid-crystal layer and said quarter-wave plate and to an axis of polarization of said absorption type polarizer.

4. A polarizing member according to any one of claims 1 through 3, wherein said optical rotatory layer is made of
20 a polymer containing a nematic liquid-crystal monomer and an optically active monomer as components.

5. A polarizing member according to any one of claims 1 through 3, wherein said optical rotatory layer exhibits an angle of rotation satisfying an expression:

$$(2n + 1) \pi / 4$$

in which n is an integer.

6. A polarizing member according to claim 4, wherein
said optical rotatory layer exhibits an angle of rotation
5 satisfying an expression:

$$(2n + 1) \pi / 4$$

in which n is an integer.

7. A liquid-crystal display device comprising a
polarizing member as defined in any one of claims 1 through
10 3, and a liquid-crystal cell, said polarizing member being
disposed on a back side (opposite to a visual side) of said
liquid-crystal cell.

8. A liquid-crystal display device comprising a
polarizing member as defined in claim 4, and a liquid-crystal
15 cell, said polarizing member being disposed on a back side
(opposite to a visual side) of said liquid-crystal cell.

9. A liquid-crystal display device comprising a
polarizing member as defined in claim 5, and a liquid-crystal
cell, said polarizing member being disposed on a back side
20 (opposite to a visual side) of said liquid-crystal cell.

10. A liquid-crystal display device comprising a
polarizing member as defined in claim 6, and a liquid-crystal
cell, said polarizing member being disposed on a back side
(opposite to a visual side) of said liquid-crystal cell.